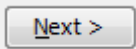# CSV Import mapping options

Browse and locate your *CSV* file, then select a target package into which you wish to import, then choose
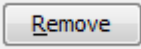
the target element type, the [Next >] button becomes enabled and you can click **Next** at this point, which will cause the **Import CSV: Mapping** dialog, see figure below, to appear. The dialog includes a list of properties that you can select to map with the columns in the imported *CSV* file, the button to map the properties and columns, key property selection, and the button to save the mapping.

A brief explanation of this step is you define mappings between *CSV* file columns and target element properties, by selecting a column from the *CSV* file and selecting a target element property, and then
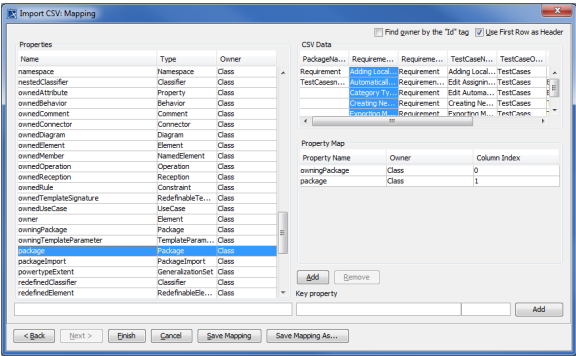
clicking the [Add] button. That *CSV* column will then be mapped to the selected property from the list. Repeat this step for each column until all of the preferred columns have been mapped. If you make a

mistake you can simply click the [Remove] button to remove that column and add it again. After

the mapping, you can execute the import by clicking [Finish]. Status messages will appear in your **MagicDraw Notification Window** and your **containment tree** should now be populated with the imported objects.

The table below explains the functionality of each element of the Mapping dialog.

Element	Functionality
☑ Use First Row as Header	If this **Use First Row as Header** checkbox is selected, the first row of the *CSV* file is treated as the header row and does not get imported. The checkbox is selected by default.

☐ Find <u>o</u>wner by the "Id" tag	By default, when we map the owner property to define the parent element, CSV Import will look up for the element by element name. There is the use case that Requirements may not have names but use ID as a unique identifier. By selecting the **Find owner by the "Id" tag** option, CSV Import will look up for elements by the ID property instead of names.

Properties

Name	Type	Owner
_activityPartitionOfRep...	ActivityPartition	Interface
_behavioralFeatureOf...	BehavioralFeature	Interface
_classifierOfRedefine...	Classifier	Interface
_classifierTemplatePa...	ClassifierTemplatePar...	Interface
_commentOfAnnotate...	Comment	Interface
_componentOfPackag...	Component	Interface
_componentRealizatio...	ComponentRealization	Interface
_considerIgnoreFrag...	ConsiderIgnoreFragm...	Interface
_constraintOfConstrai...	Constraint	Interface
_createObjectActionOf...	CreateObjectAction	Interface
_diagramOfContext	Diagram	Interface
_directedRelationship...	DirectedRelationship	Interface
_directedRelationship...	DirectedRelationship	Interface
_durationObservation...	DurationObservation	Interface
_elementImportOfImp...	ElementImport	Interface
_elementValueOfElem...	ElementValue	Interface
_exceptionHandlerOfE...	ExceptionHandler	Interface
_generalizationOfGen...	Generalization	Interface
_informationFlowOfCo...	InformationFlow	Interface
_informationFlowOfInf...	InformationFlow	Interface
_informationFlowOfInf...	InformationFlow	Interface
_informationItemOfRe...	InformationItem	Interface
_instanceSpecification...	InstanceSpecification	Interface

This **Properties** list shows the name, type, and owner of each property, which a target element may possess. Each property in this table is clickable. You can select a property (selected rows are highlighted) and map it to a column from the **CSV Data** table, shown on next row.

CSV Data

DiagramN...	ClassName	Diagram	Customer...	PropertyO...	Prope
concepturl...	Customer	concepturl...	lastName	Customer	String
	Librarian	concepturl...	email	Customer	String
	Library Item	concepturl...	firstName	Customer	String
	Loan	concepturl...	ID	Customer	Long
	Loan Date	concepturl...			

The **CSV Data** table shows the *CSV* file contents. You can select a property from the **Properties** table and select a column from this **CSV Data** table (selected columns are highlighted), and then click

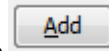[Add] to map them. You will see a row added to the **Property Map** table, shown on next row.

Property Map

Property Name	Owner	Column Index
name	Interface	0

The **Property Map** table shows which columns from the **CSV Data** table are mapped to what property names. The column names are:

- **Property Name** refers to the property name from the **Properties** list.
- **Owner** refers to the Owner attribute, usually this is the target stereotype selected.
- **Column Index** refers to the index of the data column from the **CSV Data**. Column indices start from 0. The second column has a column index value of 1 and so on.
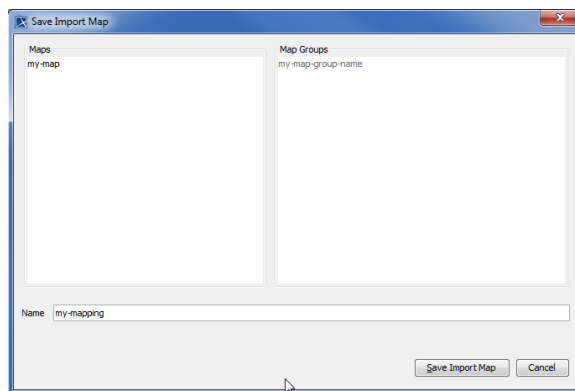
Key property

[   ] [   ] [Add]

The **Key property** option allows you to set a unique key for the data you are importing. By selecting a row from the **Properties** table and a column from the *CSV Data* table, click the

[Add]

the button.

Identifier key for relation ends: ⦿ Name ○ Other [_____]	**Identifier key for relation ends** option allows you to define the property that will be used to identify the relation ends. The **Name** property is selected by default, but you can use another custom property by selecting the **Other** radio button and typing the property name into the textbox.
Add Remove	Clicking the **Add** button will add a map between selected property in the **Properties** table and selected data in the *CSV* Data table to the **Property Map** table. Clicking the **Remove** button remove the selected map from the **Property Map** table.
Save Mapping As…	The **Save Mapping As** button allows you to save all your setting and mappings of the current import. Clicking the **Save Mapping As** button will bring up the dialog shown on next row.

Save Import Map dialog	This dialog prompts you to specify the name of the current import map that you want to save. **Maps** existing maps that are saved in your model. **Map Group** existing map groups that are saved in your model. See more about this dialog in section - *Saving Your Choices* – **Load Import Map**, **Create Map Group**, and **Exe cute Map Group**.
Save Mapping	The **Save Mapping** button brings up a dialog shown in the above row. The **Save Mapping** button allows you to save the current import map. The map will be stored into the model and you can view it in the **Co ntainment Tree**.
< Back	The **< Back** button is used to go back to **CSV Import Setup** screen.
Next >	The **Next >** button is used to proceed to the **CSV Import Mapping** screen.
Finish	The **Finish** button is used to start the import process and exit the **CSV Import wizard** interface.

Cancel	The button is used to cancel the import process and exit the **CSV Import** wizard interface.